

1A20 Rec'd 7 MAR 2006

PCT - Sequence listing for submission.txt.TXT
SEQUENCE LISTING

<110> PERFORMANCE GENOMICS, INC.
 <120> Insulin-Like Growth Factor-1 Receptor (IGF-1R) Polymorphic Alleles and Use of the Same to Identify DNA Markers for Reproductive Longevity
 <130> 31649-2137
 <150> US 10/662,613
 <151> 2003-09-15

<160> 22
 <170> PatentIn version 3.2

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PCT - Sequence listing for submission.txt.TXT

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Leu Glu Asn Cys Thr Val Ile Glu Gly Phe Leu His Ile Leu Leu Ile
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Ser Lys Ala Glu Asp Tyr Arg Ser Tyr Arg Phe Pro Lys Leu Thr Val
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Ile Thr Glu Tyr Leu Leu Leu Phe Arg Val Ala Gly Leu Glu Ser Leu
85 90 95

Gly Asp Leu Phe Pro Asn Leu Thr Val Ile Arg Gly Trp Lys Leu Phe
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Tyr Asn Tyr Ala Leu Val Ile Phe Glu Met Thr Asn Leu Lys Asp Ile
115 120 125

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Leu Asp Ala Val Ser Asn Asn Tyr Ile Val Gly Asn Lys Pro Pro Lys
165 170 175

Glu Cys Gly Asp Leu Cys Pro Gly Thr Leu Glu Glu Lys Pro Met Cys
180 185 190

Glu Lys Thr Thr Ile Asn Asn Glu Tyr Asn Tyr Arg Cys Trp Thr Thr
195 200 205

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210 215 220

Thr Glu Asn Asn Glu Cys Cys His Pro Glu Cys Leu Gly Ser Cys His
225 230 235 240

Thr Pro Asp Asp Asn Thr Thr Cys Val Ala Cys Arg His Tyr Tyr Tyr
245 250 255

Lys Gly Val Cys Val Pro Ala Cys Pro Pro Gly Thr Tyr Arg Phe Glu
260 265 270

Gly Trp Arg Cys Val Asp Arg Asp Phe Cys Ala Asn Ile Pro Asn Ala
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280

285

Glu Ser Ser Asp Ser Asp Gly Phe Val Ile His Asp Asp Glu Cys Met
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Gln Glu Cys Pro Ser Gly Phe Ile Arg Asn Ser Thr Gln Ser Met Tyr
305 310 315 320

Cys Ile Pro Cys Glu Gly Pro Cys Pro Lys Val Cys Gly Asp Glu Glu
325 330 335

Lys Lys Thr Lys Thr Ile Asp Ser Val Thr Ser Ala Gln Met Leu Gln
340 345 350

Gly Cys Thr Ile Leu Lys Gly Asn Leu Leu Ile Asn Ile Arg Arg Gly
355 360 365

Asn Asn Ile Ala Ser Glu Leu Glu Asn Phe Met Gly Leu Ile Glu Val
370 375 380

Val Thr Gly Tyr Val Lys Ile Arg His Ser His Ala Leu Val Ser Leu
385 390 395 400

Ser Phe Leu Lys Asn Leu Arg Leu Ile Leu Gly Glu Glu Gln Leu Glu
405 410 415

Gly Asn Tyr Ser Phe Tyr Val Leu Asp Asn Gln Asn Leu Gln Gln Leu
420 425 430

Trp Asp Trp Asn His Arg Asn Leu Thr Val Arg Ser Gly Lys Met Tyr
435 440 445

Phe Ala Phe Asn Pro Lys Leu Cys Val Ser Glu Ile Tyr Arg Met Glu
450 455 460

Glu Val Thr Gly Thr Lys Gly Arg Gln Ser Lys Gly Asp Ile Asn Thr
465 470 475 480

Arg Asn Asn Gly Glu Arg Ala Ser Cys Glu Ser Asp Val Leu Arg Phe
485 490 495

Thr Ser Thr Thr Trp Lys Asn Arg Ile Ile Ile Thr Trp His Arg
500 505 510

Tyr Arg Pro Pro Asp Tyr Arg Asp Leu Ile Ser Phe Thr Val Tyr Tyr
515 520 525

PCT - Sequence listing for submission.txt.TXT

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Cys Gly Ser Asn Ser Trp Asn Met Val Asp Val Asp Leu Pro Pro Asn
545 550 555 560

Lys Glu Gly Glu Pro Gly Ile Leu Leu His Gly Leu Lys Pro Trp Thr
565 570 575

Gln Tyr Ala Val Tyr Val Lys Ala Val Thr Leu Thr Met Val Glu Asn
580 585 590

Asp His Ile Arg Gly Ala Lys Ser Glu Ile Leu Tyr Ile Arg Thr Asn
595 600 605

Ala Ser Val Pro Ser Ile Pro Leu Asp Val Leu Ser Ala Ser Asn Ser
610 615 620

Ser Ser Gln Leu Ile Val Lys Trp Asn Pro Pro Thr Leu Pro Asn Gly
625 630 635 640

Asn Leu Ser Tyr Tyr Ile Val Arg Trp Gln Arg Gln Pro Gln Asp Gly
645 650 655

Tyr Leu Tyr Arg His Asn Tyr Cys Ser Lys Asp Lys Ile Pro Ile Arg
660 665 670

Lys Tyr Ala Asp Gly Thr Ile Asp Val Glu Glu Val Thr Glu Asn Pro
675 680 685

Lys Thr Glu Val Cys Gly Gly Asp Lys Gly Pro Cys Cys Ala Cys Pro
690 695 700

Lys Thr Glu Ala Glu Lys Gln Ala Glu Lys Glu Glu Ala Glu Tyr Arg
705 710 715 720

Lys Val Phe Glu Asn Phe Leu His Asn Ser Ile Phe Val Pro Arg Pro
725 730 735

Glu Arg Arg Arg Asp Val Met Gln Val Ala Asn Thr Thr Met Ser
740 745 750

Ser Arg Ser Arg Asn Thr Thr Val Ala Asp Thr Tyr Asn Ile Thr Asp
755 760 765

Pro Glu Glu Phe Glu Thr Glu Tyr Pro Phe Phe Glu Ser Arg Val Asp
770 775 780

PCT - Sequence listing for submission.txt.TXT

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Arg Ile Asp Ile His Ser Cys Asn His Glu Ala Glu Lys Leu Gly Cys
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Ser Ala Ser Asn Phe Val Phe Ala Arg Thr Met Pro Ala Glu Gly Ala
820 825 830

Asp Asp Ile Pro Gly Pro Val Thr Trp Glu Pro Arg Pro Glu Asn Ser
835 840 845

Ile Phe Leu Lys Trp Pro Glu Pro Glu Asn Pro Asn Gly Leu Ile Leu
850 855 860

Met Tyr Glu Ile Lys Tyr Gly Ser Gln Val Glu Asp Gln Arg Glu Cys
865 870 875 880

Val Ser Arg Gln Glu Tyr Arg Lys Tyr Gly Gly Ala Lys Leu Asn Arg
885 890 895

Leu Asn Pro Gly Asn Tyr Thr Ala Arg Ile Gln Ala Thr Ser Leu Ser
900 905 910

Gly Asn Gly Ser Trp Thr Asp Pro Val Phe Phe Tyr Val Pro Ala Lys
915 920 925

Thr Thr Tyr Glu Asn Phe Met His Leu Ile Ile Ala Leu Pro Val Ala
930 935 940

Ile Leu Leu Ile Val Gly Gly Leu Val Ile Met Leu Tyr Val Phe His
945 950 955 960

Arg Lys Arg Asn Asn Ser Arg Leu Gly Asn Gly Val Leu Tyr Ala Ser
965 970 975

Val Asn Pro Glu Tyr Phe Ser Ala Ala Asp Val Tyr Val Pro Asp Glu
980 985 990

Trp Glu Val Ala Arg Glu Lys Ile Thr Met Asn Arg Glu Leu Gly Gln
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Gly Ser Phe Gly Met Val Tyr Glu Gly Val Ala Lys Gly Val Val
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Lys Asp Glu Pro Glu Thr Arg Val Ala Ile Lys Thr Val Asn Glu
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PCT - Sequence listing for submission.txt.TXT

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Val Met Lys Glu Phe Asn Cys His His Val Val Arg Leu Leu Gly
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1070 1075 1080

Thr Arg Gly Asp Leu Lys Ser Tyr Leu Arg Ser Leu Arg Pro Glu
1085 1090 1095

Val Glu Gln Asn Asn Leu Val Leu Ile Pro Pro Ser Leu Ser Lys
1100 1105 1110

Met Ile Gln Met Ala Gly Glu Ile Ala Asp Gly Met Ala Tyr Leu
1115 1120 1125

Asn Ala Asn Lys Phe Val His Arg Asp Leu Ala Ala Arg Asn Cys
1130 1135 1140

Met Val Ala Glu Asp Phe Thr Val Lys Ile Gly Asp Phe Gly Met
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1175 1180 1185

Gly Val Phe Thr Thr His Ser Asp Val Trp Ser Phe Gly Val Val
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Leu Trp Glu Ile Ala Thr Leu Ala Glu Gln Pro Tyr Gln Gly Leu
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Ser Asn Glu Gln Val Leu Arg Phe Val Met Glu Gly Gly Leu Leu
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Asp Lys Pro Asp Asn Cys Pro Asp Met Leu Phe Glu Leu Met Arg
1235 1240 1245

Met Cys Trp Gln Tyr Asn Pro Lys Met Arg Pro Ser Phe Leu Glu
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Ile Ile Gly Ser Ile Lys Asp Glu Met Glu Pro Ser Phe Gln Glu
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PCT - Sequence listing for submission.txt.TXT

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Glu Arg His Ser Gly His Lys Ala Glu Asn Gly Pro Gly Pro Gly
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Val Leu Val Leu Arg Ala Ser Phe Asp Glu Arg Gln Pro Tyr Ala
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Gln Ser Ser Thr Cys
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PCT - Sequence listing for submission.txt.TXT

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PCT - Sequence listing for submission.txt.TXT

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gacacattt aaaggtgctt agttaatgct catccccata aacgcccatt acggcgacag 173100
gttcccaacta ctcagccggaa acgtttgagc tcttagatgtc cctctgaaga aatggctgaa 173160

PCT - Sequence listing for submission.txt.TXT

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ccatgcaccc agggtcgctc taagacatga acatgcttc agagctgcat ccctaagaaa 173340
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c 174481

<210> 7
<211> 5293
<212> DNA
<213> Sus scrofa

<220>
<221> misc_feature
<222> (3177)..(3178)
<223> n is a, c, g, or t

<400> 7
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PCT - Sequence listing for submission.txt.TXT

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PCT - Sequence listing for submission.txt.TXT

acacctgtgg ctctgactcc cgagccctat gctacgcatt cagcatcagg ctgctgtgt	2100
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cagaaacacc acagtggtgg acacctacaa tgtcacggac ccagaggagc ttgagacaga	2520
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cgagtggag gtcgccccgg agaagatcac catgagccgg gagctggac agggctccctt	3900

PCT - Sequence listing for submission.txt.TXT

cgggatggtt tatgaaggcg tcgccaasgg ygtggtcaaa gatgagcctg agaccagggt	3960
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gggrccaccc ttatgggtt gcgactcatc ctgtcttgtt aggatcccts tcactgctca	4140
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tcagtggtac ttc	5293

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<212> DNA
<213> *Mus musculus*

<400> 8
ggagatcatc ggcagcatca ag 22

<210> 9
<211> 21
<212> DNA
<213> *Mus musculus*

PCT - Sequence listing for submission.txt.TXT

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<210> 10	
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<213> Mus musculus	
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gcatgtgctg gcagtataac c	
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<212> DNA	
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<210> 13	
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<213> Mus musculus	
<400> 13	19
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<213> Sus scrofa	
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cctccgtgat gaaggagttc	
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<213> Sus scrofa	
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<210> 16	
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PCT - Sequence listing for submission.txt.TXT

<400> 16	cctccgtat gaaggagttc	20
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<213> Sus scrofa		
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<213> Sus scrofa		
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<210> 20		
<211> 12		
<212> DNA		
<213> Mus musculus		
<400> 20	tggagatgga gc	12
<210> 21		
<211> 17		
<212> DNA		
<213> Sus scrofa		
<400> 21	aagatgaggc cttcctt	17
<210> 22		
<211> 20		
<212> DNA		
<213> Sus scrofa		
<400> 22	gatcagcagg tcgaggactg	20